

Name: _____ Period: _____ Date: _____

Use the formula for finding the slope and calculate the slope of the lines that exist between the following points:

Example 1: $(-4, 7), (3, -2)$

a) Label the Points P_1, P_2 therefore $P_1(-4, 7), P_2(3, -2)$

b) Identify (x_N, y_N) - relative to Point N .

$P_1(x_1, y_1), P_1(-4, 7)$ therefore $x_1 = -4$ $y_1 = 7$

$P_2(x_2, y_2), P_2(3, -2)$ therefore $x_1 = 3$ $y_1 = -2$

c) Use Slope Formula, $m = \frac{y_2 - y_1}{x_2 - x_1}$ for points P_1, P_2 . $m = \frac{-2 - 7}{3 - (-4)} = \frac{-9}{7}$ or $m = -\frac{9}{7}$

1. $(10, -2)$ $(5, -7)$

Slope = $m =$ _____

2. $(3, -2)$ $(6, 2)$

Slope = $m =$ _____

3. $(1, 2)$ $(-1, -1)$

Slope = $m =$ _____

4. $(-3, -2)$ $(-5, -4)$

Slope = $m =$ _____

5. $(5, -5)$ $(-4, 4)$

Slope = $m =$ _____

6. $(6, -2)$ $(12, -4)$

Slope = $m =$ _____

7. $(0, 2)$ $(-3, -2)$

Slope = $m =$ _____

8. $(0, -4)$ $(2, -6)$

Slope = $m =$ _____

9. $(-2, 2)$ $(3, -3)$

Slope = $m =$ _____

10. $(3, 0)$ $(6, 3)$

Slope = $m =$ _____

11. $(10, -2)$ $(5, 0)$

Slope = $m =$ _____

12. $(1, -2)$ $(2, -4)$

Slope = $m =$ _____